

# City of Cartersville Water Department History



**Original Filter Plant (1913) and Steam Powered Pumping Station (1893)**

## Timeline

### Jan 1888

Committee of 4 councilmen & 8 citizens look into cost of setting up water works for City

### August 1888

Contract with Macon, GA company, Jeter and Boardman, to build and operate Water Company- 30 year contract @ \$2,500/year

### October 1889

Water being pumped from water plant pumps

### April 1893

Cville voters elect to issue \$45K bonds to purchase water works from private company (365 votes for; 2 against). John Wikle hired as Superintendent

### April 1888

Committee recommends water works be built

### March 1889

Work begins on building water works system. 2 boilers, 2 steam powered pumps, 110,000 gallon elevated tank, 8 miles of pipe and 50 hydrants

### Jan 1892

New City Council insists company either renegotiate contract or sell water works to City



# Cartersville

# Initial Rate Table June 1893 (\$ per year)

Private dwellings	1 to 5 persons	\$6.00
	Each additional person	\$1.00
Boarding Houses	1 to 5 rooms	\$8.00
	6 to 8 rooms	\$10.00
	9 to 15 rooms	\$12.00
	Each additional room	\$0.50
Hotels	16 to 40 rooms	\$25.00
	Each additional room	\$0.50
Dry good, grocery, hardware stores		\$6.00
Drug stores and bottle washing		\$8.00
Soda fountain for season		\$10.00
Fly fans per month		\$3.00
Blacksmith shop, each forge		\$4.00
Shoemaker, saddle & harness, cabinet, wagon maker, tailor, carpenter & everywhere		
four persons or less are employed		\$6.00
More than four persons employed		\$10.00
Offices generally		\$4.00







# Initial Rate Table

## June 1893

Dental offices	\$8.00
Banks	\$6.00
Printing offices	\$12.00
Physicians office	\$6.00
Livery Stable	\$24.00
Feed stable	\$12.00
Private stable, washing vehicle included	\$3.00
Private stable each additional horse, mule or cow	\$1.00
Yard & garden sprinklers per season	\$5.00
Photograph galleries	\$9.00
Bakeries	\$9.00
Eating houses and restaurants	\$12.00
Stone or marble yards 1-4 hands	\$6.00
Each additional hand	\$1.00
Building purposes stone masonry every 25 cubic ft.	\$0.10
Brickwork one thousand or less	\$0.25
Brickwork each additional thousand	\$0.10
Plastering 100 yards	\$0.50
Laundries	\$15.00
Meat market or store	\$6.00
Bathtubs each (private residence)	\$5.00
(Hotel or boarding houses)	\$12.00
(Barber shop)	\$12.00



Fountains in yards restricted to certain number of hours per day. Railroads, manufacturers, or water for all other purposes not mentioned; special rates.

## Timeline

**August 1898**

Council approves building of reservoir or securing another well

**1900**

Budget of \$2,788.46

**May 1906**

Election for \$10K bonds for water improvements

**July 1907**

Council appoints committee of citizens to oversee completion of water expansion

**1899**

Approx. 300 water customers

**Sept 1902**

Ordinance adopted not allowing water closets in the city unless hooked to sewer

**August 1906**

New City Charter; utilities to be controlled by Cville Water, Light and Bond Commission



**Main Street (c. 1910) Note: Sidewalk hydrant**

## Timeline

**August  
1907**

Contracted with L.C. Ginn Contractors for bldg. the Ackerman Hill Reservoir. Agreed to work not less than 10 miles.

**April 1910**

Resolution to improve water supply by excavating at or near reservoir at water works or connect to river.

**July 1911**

Mayor Gilreath issues flyer to customers confirming purity and abundance of water supply. (Consumer Confidence Report)

**January 1912**

New City Charter of Mayor & 2 Commissioners. Water, Light and Bond Commission dissolved. John Wikle hired as Water & Gas Superintendent.

**October  
1908**

Winning bid for 7,000 feet of 12 inch pipe was \$20.10 per ton from U.S. Cast Iron Pipe & Foundry

**Sept 1910**

Topographical map and sewer plan submitted by Mr. Hazelhurst.

**August 1911**

Resolution to bore new well near spring.





**Thompson-Weinman Dam and Old Filter Plant in Trees**

# Timeline

**May 1912**

Vote for \$32K bonds for water works extension and improvements.

**Oct 1912**

Soloman Norcross Company submitted plans and specs for new reservoir.

**June 1913**

Approved pipes and valve purchase for water plant from general Fire Extinguisher Co. for \$1,785.58

**May 1914**

J.B. McCrary retained as consulting engineer to design water system.

**Jan 1918**

New City Charter w/City Mgr.

**Sept 1912**

Bid awarded to Roberts Filter Manufacturing Co. for constructing 1M gallon/day filter plant for \$12,356. Included: sedimentation basin & 2 sand filters. Used electricity and chlorine disinfection for first time.

**Feb 1913**

Contract awards to Jordan & Stewart to build new reservoir for \$13,947.73.

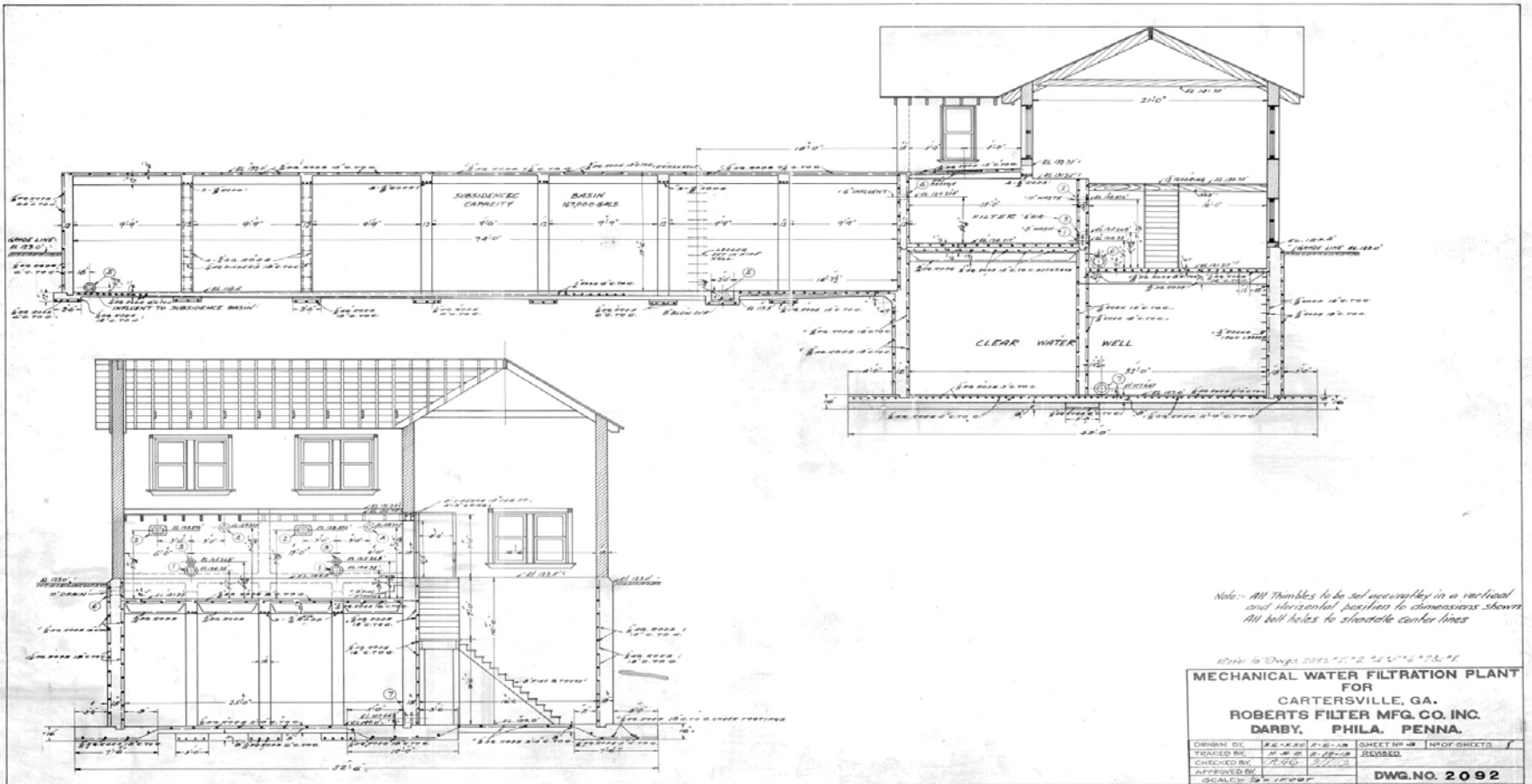
**August 1913**

Election for \$75,000 bonds for sewer system. Treated water pumped from new river filter plant into 1.1 MG open top concrete reservoir on top of Ackerman Hill.

**July 1914**

New Platt Iron Works triplex pump with GE Motor ordered.





Architectural View of 1913 Filter Plant

## Timeline

**July 1919**

Authorized \$90K bonds for sewer system. Contracted J.B. McCrary for work/design.

**1925**

Nearly all City streets are paved.

**Jan 1933**

Authorized purchase of sewer expanding root cutter and cleaner for \$202.50.

**Apr 1939**

Initiated tap fees for new services – see next page



**Oct 1922**

Approved chlorine contract with Wallace & Tiernan for \$490.

**April 1928**

Approval to purchase first "centrifugal cast pipe" in system...laid on West Avenue.

**July 1934**

Authorized water filter plant improvements.

**Sept 1940**

Change in water billing from gallons to 100 cubic feet – see next page



# Fees & Billing

## April 10, 1939

Initiated tap fees:

5/8" tap	\$5.00
3/4" tap	\$15.00
1" tap	\$17.50
1-1/4" tap	\$20.00
1-1/2" tap	\$25.00
2" tap	\$30.00



## September 9, 1940

Authorized change in water billing from gallons to 100 cubic feet (CCF) as below:

First 3,300 cu. Ft.	\$0.15 per CCF
3,300 to 6,600	\$0.135 per CCF
6,600 to 13,300	\$0.1275 per CCF
13,300 to 20,000	\$0.12 per CCF
20,000 to 26,600	\$0.1125 per CCF
26,600 to 33,300	\$0.105 per CCF
33,300 to 40,000	\$0.0975 per CCF
40,000 to 53,000	\$0.09 per CCF
53,000 to 67,000	\$0.0825 per CCF
67,000 to 100,000	\$0.0775 per CCF
100,000 to 135,000	\$0.07 per CCF
All over 135,000	\$0.067 per CCF

Minimum charge of \$0.85 on 5/8" meters per month net, or minimum of 568 cu. ft. net.



## Timeline

**Dec 1944**

Flood Control Bill authorized funds for completing the Allatoona Dam and Reservoir.

**Sept 1945**

Work begun on Allatoona Dam

**Jan 1956**

Resolution adopted for fluoridation of water supply

**Aug 1963**

Manganese tests approved on Etowah to determine impact of Allatoona Dam on water quality

**Feb 1945**

Weideman & Singleton Engineers to design and build filter plant expansion, doubling capacity from 1 MGD to 2 MGD.

Construction \$118,400

**Nov 1954**

Approved \$79,483 for water filtration plant additions by Industrial Builders of Anderson, S.C.

**Sept 1961**

Purchased one acre south of Fairview Street for water storage tank.

**Sept 1963**

Wiedeman and Singleton recommend bldg. 6 MGD water treatment plant, storage tank on Reservoir Hill & sewage treatment plant on Pettit Creek.



1.1 MG Reservoir on Ackerman (Reservoir) Hill

## Timeline

**Oct 1963**

Approved purchase of new chlorinator for water plant – Wallace & Tiernan \$1,602

**Dec 1964**

Property purchased on west side of city for sewage treatment plant \$63K.

**Jun 1966**

City entered contract with U.S. Army Corps of Engineers to receive water from Allatoona Reservoir.

**July 1968**

\$175,700 to Pittsburgh – Des Moines Steel Company to build new 5 MG reservoir on Opal Street

**Jan 1964**

Bids received for annual chemical supply for filter plant. Given to Southern States Chemical Co. for \$3,997.50.

**May 1965**

Wiedeman & Singleton designing new water treatment plant – supply from Allatoona Dam. Estimated cost \$1.4M

**Nov 1966**

Contract for sewer treatment plant (1.0 MGD primary treatment plant only). Awarded to Steel City Construction of Leeds, AL for \$390,124.50.

**July 1969**

Entered contract with Bartow County to supply water for new Bartow County Water System.



Allatoona Dam and Powerhouse.  
Note: Raw Water line around Powerhouse

# Timeline

## July 1971

Began operation of new water filter plant on Hwy 41.

## Late 1971

Approved bid for \$1,847,129 for 5 MGD secondary sewage treatment plant adjacent to current primary treatment plant.

## Aug 1972

Authorized to purchase machine to inject phosphates into water to alleviate "muddy situation".

## 1974

Expansion complete including 1,000 hp, 17.3 MGD high service pump, 3 additional filters & 5 sedimentation basins.

## Sept 1971

Public dedication ceremony & tour of new 3 MGD water treatment plant hosted by Mayor Clyde Charles. Plant built by Steel City construction Co. \$1,529,281. Open tank on Reservoir Hill had been abandoned & old plant on Etowah River still used one shift per day.

## June 1972

Authorized to proceed with design of new 5MGD tank on Reservoir Hill.

## Feb 1973

Authorized Wiedeman & Singleton to design WTP expansion to 6 MGD along with new high service line.



## Timeline

**1985**

30" raw water line laid parallel to existing 20" line from Allatoona Dam to Water Treatment Plant.

**1986**

Expansion completed of Water Pollution Control Plant. Added two 2.5 MG aeration basins and two circular clarifiers.



# Timeline

## April 1988

Jim Stafford  
hired as Water &  
Sewer  
Department  
Director.

## 2000

Completed expansion of WTP to 27 MGD, replaced 2 high service pumps with single 700 hp, 12 MGD pump, added 2 filters, one plate settling basin, and a 2 MG clearwell.

Expansion complete at WPCP to 15 MGD, adding two 2 MG aerobic digesters and 1.5 MG holding tank and primary clarifier.

## 2006

Completed construction & conversion of WPCP to Catabol© process.

## 1992

Expansion completed of WTP to 21 MGD. Added one new filter, new flash mix basin, one sedimentation basin, .75 MG clearwell, and two 1,000 hp high service pumps rated at 18 MGD. Added 5 MG storage reservoir in Interchange Village.

WPCP expanded to 12 MGD. Added 5 MG aeration tank, 2 circular clarifiers, 2 premix tanks, two 2 MG aerobic digesters, and biosolids handling facility w/2 belt presses.

## 2005

Took over operation of 3 MG water storage tank and station pump on Center Road from Bartow County (Total of 18 MG of treated water storage capacity)

## Dec 2007

Replaced 20" raw water line from Allatoona Dam to WTP with 48".

## 27 MGD Clarence B. Walker Water Treatment Plant

